

PO Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600



Division RRD

Total \$4 015 62

PATRICIA THORNTON Report to

MDEQ RRD DETROIT

DETROIT FIELD OFFICE

3058 W GRAND BOULEVARD DETROIT MI 482

Lab Work Order # Work Site ID 50700123

82001589

Site Name Received CARTER COLOR COAT 07/14/2005

Reported

07/21/2005

Collected By

SAIF SAIFUDDIN / SCOTT J

Samples Received

| No | Sample ID | Sample Description | Matrix | Collection Date |
|----|-----------|--------------------|----------|------------------------|
| 01 | AA58995 | GF WS 1 | SEDIMENT | 07/13/2005 |
| 02 | AA58996 | GF WS 2 | SEDIMENT | 07/13/2005 |
| 03 | AA58997 | SF WS 3 | SEDIMENT | 07/13/2005 |
| 04 | AA58998 | SF WS 4 | SEDIMENT | 07/13/2005 |
| 05 | AA58999 | TF WS 5 | SEDIMENT | 07/13/2005 |
| 06 | AA59000 | TF WS 6 | SEDIMENT | 07/13/2005 |
| 07 | AA59001 | FF WS 7 | SEDIMENT | 07/13/2005 |
| 08 | AA59002 | FF WS 8 | SEDIMENT | 07/13/2005 |
| 09 | AA59003 | FTHF WS 9 | SEDIMENT | 07/13/2005 |
| 10 | AA59004 | FTHF WS 10 | SEDIMENT | 07/13/2005 |

Sample Comments.

AA58995 **PRIORITY**

I certify that the analysis performed by the MDEQ Environmental Laboratory are accurate and that the laboratory tests were conducted by methods approved by the U S Environmental Protection Agency and other appropriate regulatory agencies

Bob Avery Laboratory Director



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample | Number | AA58995 | GF-WS 1 | | ····· | | | | | |
|-----------------|--------------------|------------------------|--------------------------|---------|-----------------|-----------|----------------|------------------------|----------|----------------|
| PCBs as A | roclors | | | | | | | | | |
| Analytical l | Method 8082 | 2 | Date To | ested | 07/19/2005 | Ana | lyst MF | | | |
| Extraction | | .5 | Extract | on Date | 07/15/2005 | Qual | | R | | |
| CAS# | Compound | | | 1 | Result ug/Kg di | ry | RL | Qualifier | Dilution | ı Factor |
| SURROGAT | E #Decachlore | obiphenyl# | | 1 | Not Applicable | | | V | | |
| ORIROGANI | E #Retrachlor | o m'xylene# 🔭 🔊 | | 12,375 | Not-Applicable | | . Yeta | abla | | |
| 12674 11 2 | Aroclor 101 | 6 | | 1 | Not Detected | | 2700 | | 27 | |
| 11104-282 | Arodor 122 | Lagrande de la company | HEALTH ENGLIS | | Not Detected | 年。我叫到 | 2700 L | | 27: | |
| 11141 16 5 | Aroclor 123 | | | | Not Detected | | 2700 | | 27 | |
| 3459-21-9 | х · Акбою 124 | | eri e des Institu | | Not Defected | 0.37/2.03 | 27000 <u>(</u> | Market No. | 27 | SEAL SELVE AND |
| 12672 29 6 | Aroclor 124 | | | 1 | Not Detected | | 2700 | | 27 | |
| 11097-69-1 | Arroclor 12s | 4 | | | 7000 | | 2700 | \mathbf{D}_{i} , and | 27 1 | |
| 11096 82 5 | Aroclor 126 | | | | Not Detected | | 11000 | | 110 | |
| 37324-23-5 | Aroclor 126 | 2 1 2 2 4 5 1 5 | | | Not Detected: N | | 10000 | | 110 | ALCOHOLD IN |
| 11100 14-4 | Aroclor 126 | 58 | | 1 | Not Detected | 2 | 2700 | | 27 | |
| | d due to matrix in | | | | | | | | | |
| Results re | ported as wet we | ight | | | | | | | | |
| Sample | Number | AA58995 | GF-WS 1 | | | | | | | |
| CAS# | Analyte Name | | Result | Unit | RL | Qualifier | Date Test | ed Metho | od A | nalyst |
| | % Total Solids | | 100 | % | 0 1 | | 07/15/200 | 5 | | CS |

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit

ND Not Detected

ug/L microgram/liter (ppb)
mg/L milligram/liter (ppm)
ug/Kg microgram/kilogram (ppb)
mg/Kg milligram/kilogram (ppm)



PO Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Number | er AA58996 | GF-WS 2 | | | | |
|-----------------------|-----------------------|---------------|--------------------|----------------------|--------------|------------------|
| 'CBs as Aroclors | | | | | | |
| Analytical Method | 8082 | Date Tested | 07/19/2005 | Analyst MF | | |
| Extraction Method | 3545 | Extraction Da | te 07/15/2005 | Qualifier | KR | |
| AS# Com | ıpound | | Result ug/Kg dry | RL | Qualifier | Dilution Factor |
| JURROGATE #Dec | cachlorobiphenyl# | | Not Applicable | | V | |
| URROGATE #Ter | rachiloro m-xylene# 3 | | Not Applicable and | NAME OF STREET | *.V | |
| 2674 11 2 Aroc | clor 1016 | | Not Detected | 3800 | | 38 |
| 11104-28-2 4 Arc | or 1221 4 1 1 1 1 | | Not Detected + 3 | ÷ 1 3800 € 1 | 物学态数的人 | 188 🗱 🕌 🕌 |
| | clor 1232 | | Not Detected | 3800 | | 38 |
| 8460-201-0 💯 :: After | for 1242 - 1 | | Not Detected | 187 6 / 3800 | The state of | F38-17-4-7-12-12 |
| | clor 1248 | | Not Detected | 3800 | | 38 |
| | or (1264) | | 12000 | 3800 | \mathbf{D} | 88 7 |
| | clor 1260 | | Not Detected | 13000 | | 130 |
| 7824-28 6 Aro | olor 1262 - 1262 | | Not Detected | 學 起,自3000 和 。 | | 71E0/-s/ |
| 1100 14-4 Aroo | clor 1268 | | Not Detected | 3800 | | 38 |
| RLs raised due to m | | | | | | |
| Results reported as | wet weight | | | | | |
| Sample Numb | er AA58996 | GF-WS 2 | | | | |
| CAS# Analyte | e Name | Result Unit | RL (| Qualifier Date T | ested Metho | od Analyst |

01

07/15/2005

100

CAS# Chemical Abstract Service Registry Number

% Total Solids

RL Reporting Limit
ND Not Detected

ug/L microgram/liter (ppb)
mg/L milligram/liter (ppm)
ug/Kg microgram/kilogram (ppb)
mg/Kg milligram/kilogram (ppm)

Laboratory Contacts
Inorganic Unit Mgr Sandy Gregg
Organic Unit Mgr Carol Smith
Systems Mgmt Unit George Krisztian

CS



CAS#

Analyte Name

% Total Solids

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL LABORATORY

P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Numb | er | AA58997 | SF-WS 3 | | | | |
|---------------------|-----------|------------|---------------|----------------|------------------|-------------------|-----------------|
| 'CBs as Aroclors | s | | | | | | |
| Analytical Method | 808 | 2 | Date Tested | 07/19/2005 | Analyst | MF | |
| Extraction Method | 354 | 15 | Extraction Da | ite 07/15/200: | S Qualifier | KR | |
| AS# Co | mpound | | | Result ug/Kg | dry RL | Qualifier | Dilution Factor |
| JURROGATE #D | ecachlor | obiphenyl# | | 59 5 | | 5 | |
| URROGATE #TO | | | | 627 | | nuis est a la tra | |
| 2674-11 2 Arc | clor 101 | 6 | | Not Detected | 8200 | | 82 |
| 11104-28-21 And | clor, 122 | | | Not Detected | 3 × 3 × 3 × 8200 | | - 82 III |
| 1141 16 5 Arc | clor 123 | 32 | | Not Detected | 8200 | | 82 |
| 8169 21-04 LAG | elor 124 | 2 | | Not Detected. | 8200 | | 82 李 李 |
| | clor 124 | | | Not Detected | 8200 | - | 82 |
| 1097 69 1 Arc | eloru2 | 0、李维拉" | | 18000 | \$200 es | | 1824 |
| | clor 126 | | | Not Detected | 13000 | | 130 |
| 7/824-28-6 Ari | elor 120 | 2 * 17. | | Not Detected | 13000 | | 1500 |
| 1100 14-4 Arc | clor 126 | 58 | | Not Detected | 8200 | | 82 |
| RLs raised due to | | | | | | | |
| Results reported as | wet we | ıght | | | | | |
| Sample Numb | er | AA58997 | SF-WS 3 | | | | |

 \mathbf{RL}

01

Qualifier

Date Tested

07/15/2005

Method

Analyst

CS

Result

100

Unit

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit
ND Not Detected

ug/L microgram/liter (ppb)
mg/L milligram/liter (ppm)
ug/Kg microgram/kilogram (ppb)
mg/Kg milligram/kilogram (ppm)



PO Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Number | AA58998 | SF-WS 4 | | | | |
|---------------------------|--|-----------------|--------------------|-----------------------|-------------|-------------------|
| 'CBs as Aroclors | | | | | | |
| Analytical Method 80 | 082 | Date Tested | 07/19/2005 | Analyst MF | | |
| Extraction Method 33 | 545 | Extraction Date | e 07/15/2005 | Qualifier | KR | |
| AS # Compoun | d | | Result ug/Kg dry | RL | Qualifier | Dilution Factor |
| URROGATE #Decachle | orobiphenyl# | | Not Applicable | | V | |
| URROGATE ##retrachil | oro m xylene# | | Not-Applicable : a | ALD TO SERVE | . V | |
| 2674 11 2 Aroclor 16 | 016 | | Not Detected | 3800 | | 38 |
| III04282 Addio II | 21 | | Not Detected 🐭 🕏 | ## - \$\$ 3300 Fig. 3 | * 4 | |
| 1141 16 5 Aroclor 1: | | | Not Detected | 3800 | | 38 |
| 3469.24.9 Arcelowl | 22 | | Not Defected | 3800 | Market St. | 38 |
| 2672 29 6 Aroclor 1: | | | Not Detected | 3800 | | 38 |
| 1097-39-18 TATOSIOFIL | | | 12000 | 3800 | Di. 🚁 🗚 | 38 |
| 1096 82 5 Aroclor 12 | | | Not Detected | 16000 | | 160 |
| 7824-20-6 Arcelor II | CALL CONTRACTOR OF THE PARTY OF | | Noti Defected | 4 16000₹ | | 100 % 50 77 48 44 |
| 1100 14-4 Aroclor 13 | | | Not Detected | 3800 | | 38 |
| RLs raised due to matrix | • | | | | | |
| Results reported as wet v | /eight | | | | | |
| Sample Number | AA58998 | SF-WS 4 | | | | |

| Results | s reported as wet weight | | | | | | | | |
|---------|--------------------------|--------|------|-------------|-----------|-------------|--------|---------|--|
| Samp | le Number AA58998 | SF-WS | 4 | | | | | | |
| CAS# | Analyte Name | Result | Unit | RL | Qualifier | Date Tested | Method | Analyst | |
| | % Total Solids | 100 | % | 0 1 | | 07/15/2005 | | CS | |

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit ND Not Detected

ug / L microgram / liter (ppb) mg/L milligram/liter (ppm) ug / Kg microgram / kilogram (ppb) mg/Kg milligram/kilogram (ppm)



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Nu | ımber | AA58999 | TF-WS 5 | | | | |
|-----------------|--------------|--------------------------------|---------------|--------------------|-------------|-----------|-----------------|
| CBs as Aroc | clors | | | | | | |
| Analytical Met | thod 80 | 82 | Date Tested | 07/19/2005 | Analyst M | F | |
| Extraction Met | thod 35 | 545 | Extraction Da | te 07/15/2005 | Qualifier | KR | |
| AS# | Compoun | d | | Result ug/Kg dry | RL | Qualifier | Dilution Factor |
| URROGATE | #Decachlo | robiphenyl# | | Not Applicable | | v | |
| URROGATE | #Tetrachic | oro-m'xylene# 📻 🛬 | | Not Applicable | | J. Ve. | |
| 2674 11 2 | Aroclor 10 | 016 | | Not Detected | 4100 | | 41 |
| 11104 28 2: 🍕 | Arodorik | | | Not Detected | 4100 | | |
| 1141 16 5 | Aroclor 12 | | | Not Detected | 4100 | | 41 |
| 3469.21.9 | Arcelor 1 | $lpha_2$. The second $lpha_2$ | | Not Detected | 4100 | 学生 | |
| 2672 29 6 | Aroclor 12 | | | Not Detected | 4100 | | 41 |
| | Arcelor II | | | 7700 | / 3 4100 | | (40) |
| 1096 82 5 | Aroclor 12 | | | Not Detected | 4100 | | 41 |
| 200 | Arcelor 12 | | | Not Detected 2, 14 | 4100 | | CALCASE STATE |
| 1100 14-4 | Aroclor 12 | | | Not Detected | 4100 | | 41 |
| RLs raised du | | | | | | | |
| Results report | ted as wet w | reight | | | | | |
| Sample Nu | ımber | AA58999 | TF-WS 5 | | | | |

| | | | | | * | ···- | | |
|------|----------------|--------|------|-----|-----------|-------------|--------|---------|
| CAS# | Analyte Name | Result | Unit | RL | Qualifier | Date Tested | Method | Analyst |
| | % Total Solids | 100 | % | 0 1 | | 07/15/2005 | | CS |
| | | | | | | | | |

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit

ND Not Detected

ug/L microgram/liter (ppb)
mg/L milligram/liter (ppm)
ug/Kg microgram/kilogram (ppb)
mg/Kg milligram/kilogram (ppm)



PO Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Numb | er AA59000 | TF-WS 6 | | | |
|---------------------|--|--|------------------------------|---------------------|--------------------|
| 'CBs as Aroclors | | | | | |
| Analytical Method | 8082 | Date Tested 07/ | 20/2005 Analyst | MF | |
| Extraction Method | 3545 | Extraction Date | 07/15/2005 Qualifier | KR | |
| AS# Cor | npound | Resu | lt ug/Kg dry RL | Qualifier | Dilution Factor |
| URROGATE #De | cachlorobiphenyl# | 32 4 | | 5 | |
| | trachloro m-xylene# | ¥416 | | | |
| 2674 11 2 Aro | clor 1016 | Not I | Detected 300 | | 3 0 |
| 1104-28 2 Arc | dor 1221 | Not I | Detected 1 300 | | 30:4 |
| 1141 16 5 Aro | clor 1232 | Not I | Detected 300 | | 30 |
| 3469 2019 #: Ato | olor 1242 (4) 14 14 14 14 14 14 14 14 14 14 14 14 14 | Tion of the second | etected is the second second | is the same profits | 80: 54.54 |
| 2672 29 6 Aro | clor 1248 | Not I | Detected 300 | | 30 |
| 1097-6941 Afro | alor 1939 - 1945 | 2600 to 12 to | 300 | A District | 2017 |
| | clor 1260 | 540 | 300 | D | 30 |
| 7824-2848 👫 Ato | do: 1262 · · · · · · · · · · · · · · · · · | Notification of the State of th | Detected Annual State 550 | | SS telling for the |
| 1100 14-4 Aro | clor 1268 | Not I | Detected 300 | | 30 |
| RLs raised due to r | natrix interference | | | | |
| Results reported as | wet weight | | | | |
| Sample Numb | er AA59000 | TF-WS 6 | | | |

| | ised due to matrix interference s reported as wet weight | | | | | | | <u> </u> | |
|------|---|-----------|------|-----|-------------|-------------|--------|----------|--|
| Samp | le Number AA59 | 000 TF-WS | 5 6 | | | | | | |
| AS# | Analyte Name | Result | Unit | RL | Qualifier | Date Tested | Method | Analyst | |
| | % Total Solids | 100 | % | 0 1 | | 07/15/2005 | | CS | |

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit

ND Not Detected ug / L microgram / liter (ppb) mg/L milligram/liter (ppm) ug / Kg mucrogram / kılogram (ppb) mg/Kg milligram/kilogram (ppm)



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Nu | nber AA59 | 001 FF-WS 7 | | | | |
|---------------------|------------------------|-----------------------------|------------------|-------------|---------------------------------------|--|
| CBs as Arocl | ors | | | | | |
| Analytical Meth | od 8082 | Date Tested | 07/20/2005 | Analyst MF | | |
| Extraction Meth | 10d 3545 | Extraction Da | ate 07/15/2005 | Qualifier k | CR. | |
| AS# | Compound | | Result ug/Kg dry | RL | Qualifier | Dilution Factor |
| JURROGATE | #Decachlorobiphenyl | # | 9 84 | | 5 9 | |
| URROCATE - | Herzellojo mxylei | | 307 | | | |
| | Aroclor 1016 | | Not Detected | 230 | | 2 3 |
| 1100-28-2 | Aroclor 1221 🐙 🚈 | 一种""。这是""。 | Not Detected | 230 🖈 🖫 | 沙龙鱼 | |
| 1141 16 5 | Aroclor 1232 | | Not Detected | 230 | | 2 3 |
| 3439 2119 | Arodor 1242 🐺 🔭 | | Not Detected | 元。230元 | 4 4 4 | 26 16 4 1 1 1 1 1 |
| | Aroclor 1248 | | Not Detected | 230 | | 2 3 |
| 1097-69 1 | Arcelor (1264) | | S4000. | 2300 🙌 | De la | 28 12 1 12 1 14 15 15 15 15 15 15 15 15 15 15 15 15 15 |
| · · · · · · · · · · | Aroclor 1260 | | 710 | 230 | D | 2 3 |
| 7324-23-5 | Arcelor 1262 🐃 🌬 | | Not Defected | 720 | * | 72 (1) (2) (1) (1) |
| 11100 14-4 | Aroclor 1268 | | Not Detected | 230 | | 2 3 |
| | • • | e to low surrogate recovery | | | | |
| | to matrix interference | | | | | |
| Results reporte | d as wet weight | | | | | |
| Sample Nu | mber AA59 | 001 FF-WS 7 | | | · · · · · · · · · · · · · · · · · · · | |

 \mathbf{RL}

01

Qualifier

Date Tested

07/15/2005

Method

Analyst

CS

Result

100

Unit

%

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit

ND Not Detected

CAS#

Analyte Name

% Total Solids

ug / L microgram / liter (pph)
mg / L milligram / liter (ppm)
ug / Kg microgram / kilogram (pph)
mg / Kg milligram / kilogram (ppm)



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Nu | ımber AA59002 | FF-WS 8 | | | | | | | |
|---|------------------------------|----------------|---------------|----------------|--|------------------------------|------------------------------|--|-----------|
| PCBs as Aroc | clors | | | | | | | | |
| Analytical Met | thod 8082 | Date To | ested 07/ | 20/2005 | Analy | st MF | | | |
| Extraction Me | thod 3545 | Extract | ion Date | 07/15/2005 | Qualif | ier | | | |
| CAS# | Compound | | Resu | lt ug/Kg dry | R | L | Qualifier | Dilution Factor | |
| SURROGATE | #Decachlorobiphenyl# | | Not A | Applicable | | | V | | |
| SURROGATE | #Refrection on xylene# | | Not/ | oplicable : | | | Vivia Tues | | |
| 12674 11 2 | Aroclor 1016 | | | Detected | | 000 | | 40 | |
| 11104-28 2 | Arcelor 1920 | | Note | electedly = = | The state of the last of the l | The second living the second | | AO # | |
| 11141 16 5 | Aroclor 1232 | | | Detected | | 000 | | 40 | |
| Marie Control of the | Arodor 1242 | | | etected 4 | 31/2 | 00 - 1 | | -20 Year 10 - 20 - 20 - 20 - 20 - 20 - 20 - 20 - | |
| 12672 29 6 | Aroclor 1248 | | | Detected | | 000 | | 40 | |
| | Atcelor 1254 | | | 0.4 | | | Dept. | 40 | |
| 11096 82 5 | Aroclor 1260 | | | Detected | | 000 | | 40 | |
| | Arcelor 1262 Fine Balling | | | Detected Res | | | | 40 | |
| 11100 14-4 | Aroclor 1268 | | Not I | Detected | 40 | 000 | | 40 | |
| | ie to matrix interference | | | | | | | | |
| Results repor | ted as wet weight | | | _ | | | | | |
| Sample Nu | umber AA59002 | FF-WS 8 | | | | | | | |
| CAS# A | nalyte Name | Result | Unit | RL | Qualifier | Date Test | ed Metho | d Analyst | |
| 7440 38 2 A | rsenic Sediment | 4 4 | mg/Kg dry | 0 5 | | 07/19/200 | 5 7060 | LAV | |
| <i>11</i> 82492 S | alentum • Sadiment | , ND | mg/Kgdry | 0 <i>5</i> () | | 07//20/200 | 8 : 7740 | ILW | 13 . j (1 |
| | ılver Sediment | 0 3 | mg/Kg dry | 0 25 | | 07/20/200 | | LAV | |
| | igeniMerciny-Settingit | and Completel | in the | | | 07//18/200 | g 74M. | i RK | |
| | fercury Sediment | 2 | mg/Kg dry | 0 05 | | 07/19/200 | | TS | |
| 7410=80 -8 1 - 18 | anum Sedimente | . * 8 3 | mg/Kgdry | "如"。 | | 07/19/200 | 6 - 6010 . | MI WI | |
| | admium Sediment | 2 1 | mg/Kg dry | 2 0 | | 07/19/200 | | MJ | |
| | biomum Sediment 🔭 🥻 🥻 | 15 M. 1-1 M. | mg/Kgdy | 2 1 | (in the second | | 6 : 6000 s | * * W | |
| | opper Sediment | 87 | mg/Kg dry | 2 | | 07/19/200 | | MJ | |
| THE D | igestiMerils-Sediment | Completed | | | | | 5) 3050 ^k | "我们" | |
| | | | | | | | | | |
| 7439 92 1 L | ead Sediment | 460 | mg/Kg dry | 5 | | 07/19/200 | | MJ | - |
| 7439 92 1 L 7440-66-6 Z | ead Sediment ine Sediment | 120 · · · · | mg/Kg/dry | ' 8 | | 07/19/200 | 5 6010 | | |
| 7439 92 1 L 7440¥66₹6 Z % | ead Sediment | 120 *** 100 | mg/Kgdiy % | | ************************************** | | S (6010) 5 | | |

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit
ND Not Detected

ug/L microgram/liter (ppb)
mg/L milligram/liter (ppm)
ug/Kg microgram/kilogram (ppb)
mg/Kg milligram/kilogram (ppm)



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

Sample Number AA59003 FTHF-WS 9 **CBs as Aroclors** Analytical Method 8082 **Date Tested** 07/20/2005 Analyst MF 3545 **Extraction Date** Qualifier **Extraction Method** 07/15/2005 RL AS# Compound Result ug/Kg dry **Oualifier Dilution Factor** iURROGATIE; #Decachiorobiphenyl#; URROGATE #Tetrachloro m xylene# 45 1 200 4 13 22 2.5 Not Detected 20 2674-101-21 Aroclor 1016 (CC) 20 1104-28 2 Aroclor 1221 Not Detected 200 200 20 MAN-16-5 Afrodion 1262 Not Detected Not Detected 200 20 3469 21 9 Aroclor 1242 2672-29-6 Arcclor 1/248 200 Not Detected To The $1.201M_{\odot} = 1$ 1097 69 1 1500 200 D 20 Aroclor 1254 Not Detected 1096-82-5 Aroclor 1260 200多数 20 10 11 7324 23 5 Aroclor 1262 Not Detected 200 20 11100-14-4 Arcelor 1268 Not Detected 200 20 F Result(s) and RL(s) are estimated due to low surrogate recovery RLs raised due to matrix interference Results reported as wet weight FTHF-WS 9 AA59003 Sample Number RL "AS# **Analyte Name** Result Unit Qualifier **Date Tested** Method Analyst 4440 38 2 Arsenic Sediment 30 05 07/19/2005 7060 LAV mg/Kg dry 7824920 Selentum - Sediment ND mg/Kgdry ±0.50€ 07/20/2005 7740 LAV 440 22-4 Silver Sediment 07/20/2005 ND mg/Kg dry 0 25 7761 LAV RKDigest Mercury - Sediment Completed 07/18/2005 747.1 5 4 F 439 97 6 Mercury Sediment ND mg/Kg dry 0.05 07/19/2005 7471 TS 440-39-3 Bartum Sediment 120 mg/Kgdiy 07/119/2005 MI 6010 440-43 9 Cadmium Sediment 62 20 07/19/2005 6010 MJ mg/Kg dry 440:47-3 mg/Kgdiy/ 12 6010 MU₁-5 Chronium Sediment ND. 07/119/2005

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit
ND Not Detected

'440 50 8

1439 92 1

ug/L microgram/liter (ppb)
mg/L milligram/liter (ppm)
ug/Kg microgram/kilogram (ppb)
mg/Kg milligram/kilogram (ppm)

mg/Kg dry

mg/Kg dry

2

5

0 1

290 my/kgdy. 5

Diving and Grinding * Sediment Completed 201/18/2003 RG

Laboratory Contacts
Inorganic Unit Mgr Sandy Gregg
Organic Unit Mgr Carol Smith
Systems Mgmt Unit George Krisztian

07/19/2005

07/19/2005

07/15/2005

07/18/2005

6010

6010

07/19/2003 = 6010

3050

MJ

MJ ** **MJ**

CS

AND ROW CARRY

Copper Sediment

Lead Sediment

% Total Solids

CMO-66-6 Zing-Seilment

Digest Metals - Sediment

26

29

100

Completed



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Sample Number | er AA59004 | FTHF-V | VS 10 | ··· | | | | |
|---|--|--|--|-----------------------------------|-----------|---|--|-------------------------|
| CBs as Aroclors | | | | | | | | |
| Analytical Method | 8082 | Date ' | Tested 07 | //20/2005 | Analys | t MF | | |
| Extraction Method | 3545 | Extrac | ction Date | 07/15/2005 | Qualifie | r | | |
| CAS# Con | ıpound | | Rest | ult ug/Kg dry | RL | | Qualifier | Dilution Factor |
| URROGATE #De | cachlorobiphenyl# | | i Not | Applicable 🧀 | | 计节整 态 | | |
| | rachloro m xylene# | | | Applicable | | V | 7 | |
| | clor:1016 | | Not | Detected - Starre | 200 | 0.7 | | 20 |
| | clor 1221 | | | Detected | 200 | | | 20 |
| niail-ics 🤭 Aic | | | | Detected (comme | ### 200 | يسور بالمراجات بقريبانية كالمرا | | 20 |
| | clor 1242 | | | Detected | 200 | | | 20 |
| 2672-2916 · · · · Atto | | | | Delected | 200 | | | 20 mg = 1 cm |
| | clor 1254 | | 6000 | | 200 | | STATE OF THE STATE | 20 |
| 1026-8245 LATO | THE RESERVE AND DESCRIPTION OF THE PARTY OF | | | Detected | | 0 | | 20 |
| | clor 1262 | ♦ # # # # # # # # # # # # # # # # # # # | | Detected | 200 | _ | 4+1 | 20 |
| 11100-14141 + Arox | The second secon | | Not | Deceded | 200 | U Sign | Markey Comme | 20. |
| RLs raised due to n Results reported as | | | | | | | | |
| Results reported as | wet weight | | | | | | | |
| Sample Numb | er AA59004 | FTHF-V | VS 10 | | | | | |
| CAS# Analyte | Name | Result | Unit | RL (| Dualifier | Date Teste | d Method | d Analyst |
| • | - 1000040 | Resuit | | | - | | | • |
| 440 38 2 Arsenic | Sediment | 4 4 | mg/Kg dry | 0 5 | | 07/19/2005 | | LAV |
| 440 38 2 Arsenic 782-49-2 Selenin | Sediment | | | 0.5 | | 07/19/2005 07//20/2005 | | LAV |
| 440 38 2 Arsenic 782-49 2 Selenin 440 22-4 Silver | Sediment Sediment Sediment | 4 4 1 | mg/Kg dry - mg/Kg dry mg/Kg dry | 0.5 | | 07/20/2005 07/20/2005 | 7740 7761 | LAV LAV LAV |
| 440 38 2 Arsenic 78249 2 Selentu 440 22-4 Silver Digesti | Sediment Sediment Sediment Yequity Sediment | 4 4 ND | mg/Kg dry - mg/Kg/dry mg/Kg dry | 0 5 (0 5) 3, % | | 07//20/2005 07/20/2005 07//18/2005 | 7740 7761 7470 | LAV LAV |
| 440 38 2 Arsenic 782-49 2 Selening 440 22-4 Silver Digestion 439 97 6 Mercur | Sediment | 4 4 ND 0 6 Completed 21 | mg/Kg dry mg/Kg dry mg/Kg dry fl; y mg/Kg dry | 0 5 0 5 0 25 0 0 5 | | 07/20/2005 07/20/2005 07/18/2005 07/19/2005 | 7740 7761 7470 7471 | LAV LAV LAV TS |
| 440 38 2 Arsenic 782-49-2 Selenium 440 22-4 Silver 789 97 6 Mercur 740-89-8 Barium | Sediment m Sediment Sediment Mercury Sediment y Sediment Sediment | 4 4 ND 0 6 (Completed 21 370 | mg/Kg dry img/Kg dry mg/Kg dry g mg/Kg dry mg/Kg dry img/Kgdy | 0 5 05 0 25 0 05 | | 07/20/2005 07/20/2005 07/18/2005 07/19/2005 07/19/2005 | 7740 7761 7470 7471 | LAV LAV LAV TS |
| 440 38 2 Arsenic 782-49-2 Selentu 440 22-4 Silver Digesti 439 97 6 Mercur 440-39-3 Barium 440-43 9 Cadmiu | Sediment m - Sediment Sediment Mercury - Sediment y Sediment - Sediment m Sediment | 4 4 ND 0 6 | mg/Kg dry img/Kg dry mg/Kg dry mg/Kg dry img/Kgdry mg/Kg dry | 0 5 0 5 0 25 0 05 2 0 | | 07//20/2005 07/20/2005 07/18/2005 07/19/2005 07/19/2005 07/19/2005 | 7761 7470 7471 7471 6010 6010 | LAV LAV LAV TS MJ MJ |
| 440 38 2 Arsento 782-49 2 Selentii 440 22-4 Silver Digestii 439 97 6 Mercur 440-39 5 Barlum 440-43 9 Cadmu | Sediment Sediment Sediment Mercury Sediment Sediment Sediment Sediment | 4 4 ND 0 6 Completec 21 370 4 2 | mg/Kg dry im/Kgdiy mg/Kg dry fl mg/Kg dry mg/Kg dry mg/Kg dry mg/Kg dry | 0 5 0 5 0 25 0 05 2 0 | | 07/20/2005 07/20/2005 07/18/2005 07/19/2005 07/19/2005 07/19/2005 | 7761 7470 7471 7471 6010 6010 | LAV LAV LAV TS MJ |
| 440 38 2 Arsenic 782 49 2 Selentic 440 22-4 Silver Digestic 439 97 6 Mercur 440-39 3 Bardum 440-43 9 Cadmiu 440-47 3 Chromi 440 50 8 Copper | Sediment Sediment Sediment Mercury Sediment Sediment Sediment Sediment Sediment Sediment Sediment | 4 4 ND 0 6 | mg/Kg dry mg/Kgdiy mg/Kg dry mg/Kg dry mg/Kg dry mg/Kg dry mg/Kg dry mg/Kg dry | 0 5 0 5 0 25 0 05 2 0 | | 07//20/2005 07/20/2005 07/18/2005 07/19/2005 07/19/2005 07/19/2005 | 7761 7761 7471 7471 6010 6010 6010 | LAV LAV LAV TS MJ MJ |

CAS# Chemical Abstract Service Registry Number

RL Reporting Limit
ND Not Detected

7439 92 1

ug / L microgram / liter (ppb)
mg / L milligram / liter (ppm)
ug / Kg microgram / kilogram (ppb)
mg / Kg milligram / kilogram (ppm)

mg/Kg dry

%

5

0 1

mykyddy 5 j

Drying and Crinding Sediment Completed 707/18/2005 RG

160

100

420**4**

Laboratory Contacts
Inorganic Unit Mgr Sandy Gregg
Organic Unit Mgr Carol Smith
Systems Mgmt Unit George Krisztian

07/19/2005

07/15/2005

6010

07/119/2005 * GO10 * * MU

MJ

CS

Lead Sediment

% Total Solids

240-66-6 Zine-Sedinent



P O Box 30270 Lansing MI 48909 TEL (517) 335 9800 FAX (517) 335 9600

| Qualifier Code | Qualifier Description |
|----------------|--|
| 1 | Result(s) and RL(s) are estimated due to low surrogate recovery |
| 2 | Result is estimated due to high surrogate recovery |
| 3 | Result(s) and RL(s) are estimated due to low matrix spike recovery |
| 4 | Result is estimated due to high matrix spike recovery |
| 5 | Result and RL are estimated due to low continuing calibration standard criteria failure |
| 6 | Result is estimated due to high continuing calibration standard criteria failure |
| 7 | Result(s) and RL(s) are estimated due to poor precision |
| 8 | Result(s) and RL(s) are estimated due to low recovery of batch QC |
| 9 | Result outside QC acceptance criteria |
| A | Value reported is the mean of two or more determinations |
| C | Value calculated from other independent parameters |
| D | Analyte value quantified from a dilution(s) reporting limit (RL) raised |
| E | Result is estimated due to high recovery of batch QC |
| F | Free cyanide was not analyzed due to low level of total cyanide |
| G | Result and RL are estimated due to initial calibration standard criteria failure |
| H | Recommended laboratory holding time was exceeded |
| I | Dilution required due to matrix interference reporting limit (RL) raised |
| J | Analyte was positively identified Value is an estimate |
| JA | Result is estimated due to multiple Aroclors present |
| JC | Result is estimated since confirmation analysis did not meet acceptance criteria |
| 1D | Due to severe degradation specific Aroclor identification is difficult and quantitation is estimated |
| K | RL(s) raised due to matrix interferences |
| KR | RL(s) raised due to low sample volume submitted |
| KS | RL(s) raised due to low total solids |
| KW | RL(s) raised due to light sample weight |
| LB | Reported library search compounds are tentative identifications with estimated concentrations |
| M | The level of the method preparation blank (MPB) is reported in the qualifier column |
| N | Non homogeneous sample made analysis of sample questionable |
| 0 | Result and RL estimated due to analysis from an open vial |
| P | Recommended sample collection/preservation technique not used reported result(s) is an estimate |
| Q | Quantity of sample insufficient to perform analyses requested |
| R | Result confirmed by re extraction and analysis |
| S | Supernatant analyzed |
| T | Reported value is less than the reporting limit (RL) Result is estimated |
| V | Value not available due to dilution |
| W | Reported value is less than the method detection limit (MDL) |
| X | Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200 C |
| | 2 Methylnaphthalene & naphthalene have boiling points above 200 C and are better suited to analysis |
| l pr | by methods 8270 or 625 as semivolatile organics |
| PI | Possible interference may have affected the accuracy of the laboratory result |
| Z | Result reported below the RL to meet the TDL in RRD Op Memo 2 (10/22/04) multiplied by |
| | applicable dilution factor |

| CAS# | Chemical | Abstract | Service | Registry | Number | |
|------|----------|----------|---------|----------|--------|--|
| | | | | | | |

RL Reporting Limit
ND Not Detected

ug / L microgram / liter (ppb)
mg / L milligram / liter (ppm)
ug / Kg microgram / kilogram (ppb)
mg / Kg milligram / kilogram (ppm)